

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5329	((vehicl\$3 car\$1 air\$1craft\$1 automobile\$1 motor\$1vehicle\$1) near (load\$3 weigh\$3 mass\$3) ) with (measur\$3 estimat\$3 obtain\$3 calculat\$3))	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/10 11:30
L2	45	1 and ((kalman with filter\$3) (recursive\$1 with least with squar\$3) ) and (converg\$3 )	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/10 11:56
L8	1	("20070038357").PN.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/10 15:16
L9	6	("1425559").PN.	US-PGPUB ; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/10 15:16
S1	526	(702/173).CCLS.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/05 11:49
S2	1412	(702/142,143,144,145,146,147, 148,154,175,176).CCLS.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/09 17:08
S3	45	((inclinometer\$1 inclinat\$3 ) with ((measur\$4 determin\$3 obtain\$3) and calibrat\$3)) and ((vehicl\$3 car\$1 automobil\$3 motor\$1bike\$1 ) with (mass\$3 weight\$3))	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 11:57
S4	1	("6249735").PN.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/05 11:57
S5	10	("4548079"   "5925087").PN. OR ("6249735").URPN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:32

## EAST Search History

S6	2	((least\$1 with squar\$3) (best\$1fit\$3 (best\$3 with fit\$3)) ) and S3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:39
S7	0	(rotat\$3 near rate\$1) and (reinitializ\$3 ) and (clutch\$3 with actuat\$3) and (toqrue with engine\$1) and (brake\$1 with actuat\$3) and (motive\$1 with force\$1 with result\$3) and (aerodynamic\$3 with force\$3) and (roll\$3 with force\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:41
S8	935	(rotat\$3 with rat\$3) and (vehicl\$3 with speed\$3) and (corner\$3 with vehicle\$1)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:43
S9	13683	(clutch\$3 with actuat\$3) and (brake\$1 with actuat\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:43
S10	21775	(motive\$1 with force\$1)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:43
S11	8295	(aerodynamic\$3 with force\$1)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:44
S12	191362	roll\$3 with force\$1	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:44
S13	1	(inertial with force\$1 with transmis\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 14:44
S14	1	((inertial with force\$1 ) with transmis\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:03
S15	20035	((inert\$3 with forc\$3) and transmi\$4)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:00
S16	1	S9 and S10 and S11 and S12 and S15	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:02
S17	1	S9 and S10 and S11 and S12	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:03

## EAST Search History

S18	1	S9 and S10 and S11	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:03
S19	133	S10 and S11	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:03
S20	14	S10 and S11 and S15	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:03
S21	1022	(vehicl\$3 car\$1 automobile\$1) with (mass weight\$1) with estimat\$3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:56
S22	5	((vehicl\$3 car\$1 automobile\$1) with (mass weight\$1) with estimat\$3) and ((inclinat\$3 inclin\$5) with variat\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:48
S23	0	S22 and S6	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:39
S24	45	S3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:39
S25	0	S22 and S3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:39
S26	520	(vehicl\$3 with (mass\$3 weight\$3)) and (model\$1 with error\$1)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:49
S27	3675	(vehicl\$3 with (mass\$3 weight\$3)) and ((predetermin\$3 referenc\$3 profil\$3) with (mass )	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:50
S28	0	S26 and 27]	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:50
S29	49	S26 and S27	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:50
S30	9528	(least\$1squar\$3 best\$1fit\$3) with (algorithm equation\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:55

## EAST Search History

S31	2	((least\$1suar\$3 best\$1fit\$3) with (algorithm equation\$3)) and ((predetermin\$3 referenc\$3) with (mass\$3 weight\$1)) and (converg\$3 with criter\$4)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:54
S32	3	S29 and S30	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:55
S33	128	((vehicl\$3 car\$1 automobile\$1) with (mass weight\$1) with estimat\$3) and (best\$1fit\$3 least\$1suar\$3 regress\$3 recursiv\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:56
S34	5	S33 and S1	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 15:56
S35	6	("6249735"   "6293632"   "6298300"   "6339739"   "6339749"   "6450588").PN. OR ("6839615").URPN.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/05 16:07
S36	1	("6157885").PN.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/05 16:07
S37	1129	(vehicle\$1 (motor\$1 with vehicle\$1) car\$1) with ((mass\$3 weigh\$3) with estimat\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:04
S38	212	(recursiv\$3 with least with squar\$3) and (kalman with filter\$3) and (converg\$4)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:31
S39	9	S37 and S38	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:15
S40	14	recursiv\$3 with mass with vehicl\$3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:29
S41	3	S40 and (kalman with filter\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:30
S42	0	S40 and (kalman with filter\$3) and converg\$3	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:30

## EAST Search History

S43	16	(recursiv\$3 with least with squar\$3) and (kalman with filter\$3) and (converg\$4) and (vehicl\$3 with (weigh\$3 mass\$3 load\$3))	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:01
S44	0	(recursiv\$3 with least with squar\$3) and (kalman with filter\$3) and (converg\$4) and (vehicl\$3 with (weigh\$3 mass\$3 load\$3)) and (valid\$3 with (model\$1 threshold\$1 referenc\$3))	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:37
S45	0	((mass weigh\$3) with (car\$1 automobil\$1 vehicl\$3)) with (determin\$3 obtain\$3 estimat\$3 calculat\$3)) and (inclin\$3 with acclerat\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:37
S46	1149	((motor\$1 with vehicl\$3) automobile\$1 car\$1 vehicl\$3) with (estimat\$3 with (weigh\$3 mass\$3))	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:44
S47	226	(701/124).CCLS.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/09 16:45
S48	12	S47 and S46	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:45
S49	1	S48 and S38	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 16:45
S50	1	("20070038357").PN.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/09 16:45
S51	0	(recursiv\$3 with least with squar\$3) and (kalman with filter\$3) and (converg\$4) and (vehicl\$3 with (weigh\$3 mass\$3 load\$3)) and (mass\$3 with (estimat\$3 determin\$3)) and ((slop\$3 angle\$1) with surface\$1)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:02

## EAST Search History

S52	1	((inertial with force\$1 ) with transmis\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:03
S53	75	((vehicle\$1 (motor\$1 with vehicle\$1) car\$1) with ((mass\$3 weigh\$3) with estimat\$3) ) and (accelerat\$3 with (longitud\$3 lateral\$1)) and ((inclin\$3 angl\$3) with surfac\$3)	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:04
S54	0	S53 and S38	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:04
S55	0	(vehicle\$1 (motor\$1 with vehicle\$1) car\$1) with ((mass\$3 weigh\$3) with estimat\$3) and (mass with referenc\$3) and ((surfac\$3 and load\$3 and accelerat\$3 and speed\$1) with variat\$3) and (rotat\$3 with rate\$1) and (clutch\$3 with actuat\$3) and (forc\$3 with (roll\$3 motive\$1 aerodynamic\$3))	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:06
S56	1	(predetermin\$3 with (value\$1 threshold\$1 referenc\$3)) and ((mass\$3 weigh\$3 )with (car\$1 automobil\$3 vehicl\$3) ) and (inert\$3 with force\$1) and ((recursiv\$3 with least with squar\$3) (kalman with filter\$3)) and (converg\$3 with criter\$3) and (mass\$3 with (fix\$3 unchang\$3))	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:08
S57	1	((predetermin\$3 with (value\$1 threshold\$1 referenc\$3)) and ((mass\$3 weigh\$3 )with (car\$1 automobil\$3 vehicl\$3) ) and (inert\$3 with force\$1) and ((recursiv\$3 with least with squar\$3) (kalman with filter\$3)) and (converg\$3 with criter\$3) and (mass\$3 with (fix\$3 unchang\$3))) .clm.	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:08

## EAST Search History

S58	0	S57 and S47	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:08
S59	1913	(702/142,143,144,145,146,147, 148,154,175,176,173).CCLS.	US-PGPUB ; USPAT; USOCR	OR	OFF	2007/10/09 17:08
S60	0	S57 and S59	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:08
S61	0	S59 and S53	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:09
S62	2	S53 and S47	US-PGPUB ; USPAT; USOCR	OR	ON	2007/10/09 17:09